

UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF TEXAS
WACO DIVISION

TRANSCEND SHIPPING SYSTEMS, LLC,
Plaintiff,

v.

SONOCO PRODUCTS COMPANY,
Defendant.

Case No. 6:22-cv-165

JURY TRIAL DEMANDED

ORIGINAL COMPLAINT FOR PATENT INFRINGEMENT

Transcend Shipping Systems, LLC (“Transcend”) hereby files this Original Complaint for Patent Infringement against Sonoco Products Company (“Defendant” and “Sonoco”), and alleges, upon information and belief, as follows:

THE PARTIES

1. Transcend is a limited liability company organized and existing under the laws of the State of Florida with its principal place of business at 600 S. Dixie Highway, Suite 605, West Palm Beach, Florida 33401.
2. Upon information and belief, Sonoco Products Company is a corporation organized and existing under the laws of the state of South Carolina with its principal office at 1 N. Second Street, Hartsville, South Carolina 29550.

JURISDICTION AND VENUE

3. Subject matter jurisdiction is proper under 28 U.S.C. §§ 1331, 1332, 1338, and 1367.
4. The Court has personal jurisdiction under the Texas Long Arm Statute and the Due Process Clause of the U.S. Constitution over Sonoco because they are present within or have minimum contacts within the State of Texas, including the Western District of Texas.

5. Sonoco has sought protection and benefit from the laws of the State of Texas; Sonoco regularly conducts business within the State of Texas and within the Western District of Texas; and Plaintiff's cause of action arises directly from Sonoco's business contacts and other activities in the State of Texas and in the Western District of Texas. More specifically, Sonoco, directly and/or through intermediaries, ship, distribute, use, offer for sale, sell, and/or advertise products and services in the United States, the State of Texas, and the Western District of Texas including but not limited to the Accused Instrumentalities as detailed below. Upon information and belief, Sonoco has committed patent infringement in the State of Texas and in the Western District of Texas. Sonoco solicits and has solicited customers in the State of Texas and in the Western District of Texas. Sonoco has paying customers, who are residents of the State of Texas and the Western District of Texas, who each use and have used the Sonoco's products and services in the State of Texas and in the Western District of Texas.

6. As an example, Sonoco has an office in Waco, Texas. (See Figure 1 below).

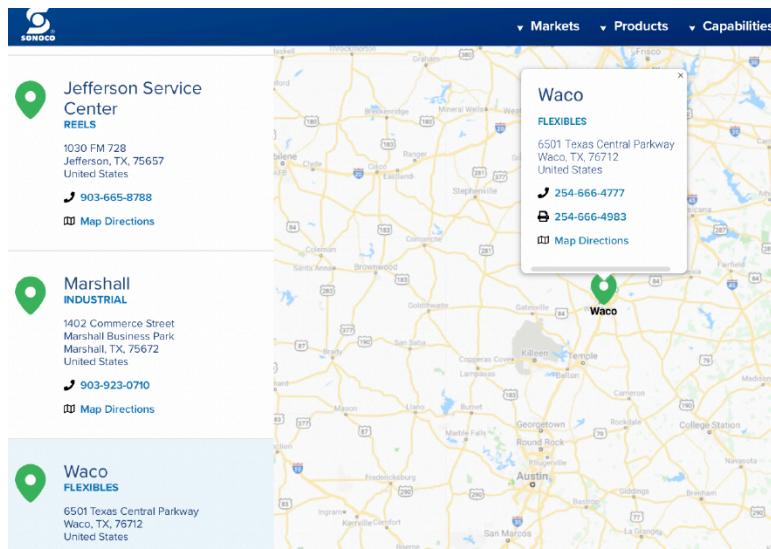


Figure 1¹

¹ Source, as visited on February 4, 2022: <https://www.sonoco.com/locations>

7. Upon information and belief, the registered agent for Sonoco in Texas is United Agent Group Inc. at 5444 Westheimer #1000, Houston, Texas 77056.
8. Venue is proper pursuant to 28 U.S.C. §§ 1391 and 1400(b).

PATENTS-IN-SUIT

9. Transcend Shipping Systems, LLC is the sole and exclusive owner, by assignment, of U.S. Patent Nos. 7,253,731 (“the ’731 Patent”); 7,482,920 (“the ’920 Patent”); 9,847,029 (“the ’029 Patent”); 10,181,109 (“the ’109 Patent”); and 10,796,268 (“the ’268 Patent”) (hereinafter collectively referred to as “the Transcend Patents”).
10. The Transcend Patents are valid, enforceable, and were duly issued in full compliance with Title 35 of the United States Code.
11. The Transcend Patents each include numerous claims defining distinct inventions.
12. The priority date of each of the Transcend Patents is at least as early January 23, 2001. As of the priority date, the inventions as claimed were novel, non-obvious, unconventional, and non-routine.
13. Plaintiff alleges infringement on the part of Sonoco of each of the Transcend Patents.
14. The ’731 Patent relates generally to an apparatus, including a shipment conveyance device, associated with a shipment, which is a shipping a container, pallet, or tote, a memory device, located at the shipment conveyance device, in which information regarding the shipment is stored, a global positioning device, located at the shipment conveyance device, which determines a position or location of the shipment conveyance device, a processing device which processes information regarding the shipment and/or shipment conveyance device in response to an occurrence of an event or in response to a request for information and generates a message containing information regarding the position or location of the shipment conveyance device and information regarding the occurrence of an event, a status of the shipment, a shipment temperature, or an impact or force on the shipment

conveyance device, and a transmitter, located at the shipment conveyance device, which transmits the message to a communication device. *See Abstract, '731 Patent.*

15. The '920 Patent relates generally to an apparatus, including a shipment conveyance device which is a shipping container, pallet, piece of luggage, or tote, a memory device located in, on, or at, the shipment conveyance device which stores information regarding the shipment conveyance device, a global positioning device located in, on, or at, the shipment conveyance device which determines a position or location of the shipment conveyance device, a processing device which processes information regarding the shipment conveyance device in response to an occurrence of an event or a request for information and which generates a message containing information regarding the position or location of the shipment conveyance device and information regarding the occurrence of an event, a status of a shipment or transportation involving the shipment conveyance device, a temperature, or an impact or force on the shipment conveyance device, and a transmitter located in, on, or at, the shipment conveyance device which transmits the message to a communication device. *See Abstract, '920 Patent.*
16. The '029 Patent relates generally to an apparatus, including a shipment conveyance device which is a shipping container, pallet, or piece of luggage, a memory device located in, on, or at, the shipment conveyance device which stores information regarding the shipment conveyance device, a global positioning device which determines a position or location of the shipment conveyance device, a processing device which processes information regarding the shipment conveyance device in response to an occurrence of an event or a request for information and which generates a message containing information regarding the position or location of the shipment conveyance device and information regarding the occurrence of an event, a status of a shipment or transportation involving the shipment conveyance device, a temperature, or an impact or force on the shipment conveyance

device, and a transmitter located in, on, or at, the shipment conveyance device which transmits the message to a communication device. *See Abstract, '029 Patent.*

17. The '109 Patent relates generally to an apparatus, including a shipment conveyance device, wherein the shipment conveyance device is a shipping container, pallet, or piece of luggage; a receiver; a global positioning device which is located in, on, or at, the shipment conveyance device and which determines a position or location of the shipment conveyance device; a processor which generates a message in response to an occurrence of an event or in response to a request for information regarding the shipment conveyance device, wherein the request for information is automatically received by the receiver, wherein the message contains information regarding a position or location of the shipment conveyance device; and a transmitter which is located in, on, or at, the shipment conveyance device and which transmits the message to a communication device associated with an owner of the shipment conveyance device or an individual authorized to receive the message. *See Abstract, '109 Patent.*
18. The '268 Patent relates generally to an apparatus, including a shipment conveyance device which is a shipping container, a pallet, or a piece of luggage; a global positioning device, located in, on, or at, the shipment conveyance device, which determines a position or location of the shipment conveyance device; a processor which generates a message in response to an occurrence of an event or in response to a request for information regarding the shipment conveyance device which request is automatically received by a receiver, and which message contains information regarding a shipment of the shipment conveyance device; and a transmitter, located in, on, or at, the shipment conveyance device, which transmits the message to a communication device associated with an owner of the shipment conveyance device or an individual authorized to receive the message. *See Abstract, '268 Patent.*

19. The claims of the Transcend Patents are not drawn to laws of nature, natural phenomena, or abstract ideas. Although the systems and methods claimed in the Transcend Patents are ubiquitous now (and, as a result, are widely infringed), the specific combinations of elements, as recited in the claims, was not conventional or routine at the time of the invention.
20. The '731 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '731 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: 340/539.13, 340/568.1 and 340/572.1.
21. After conducting searches for prior art during the examination of the '731 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the searches: (i) US 3,669,288, 06/1972, Young; (ii) US 5,317,323, 05/1994, Kennedy et al.; (iii) "Envirokare announces letter of intent with Electroship . . ." 2 page Envirokare press release dated Jul. 25, 2000"; (iv) US 5,825,283, 10/1998, Camhi; (v) US 6,044,990, 04/2000, Palmeri; (vi) US 6,464,142, 10/2002, Denenberg et al.; (vii) US 2002/0017996, 02/2002, Niemiec; (viii) FR 2816434, 05/2002, Touzet; (ix) US 5,877,707, 03/1999, Kowalick; (x) US 5,917,405, 06/1999, Joao; (xi) US 5,917,434, 06/1999, Murphy; (xii) US 6,046,678, 04/2000, Wilk; (xiii) US 6,148,291, 11/2000, Radican; (xiv) US 6,281,797, 08/2001, Forster et al.; (xv) US 6,292,828, 09/2001, Williams; (xvi) US 6,332,098, 12/2001, Ross et al.; (xviii) US 6,474,927, 11/2002, McAdams et al.; (xix) US 6,542,076, 04/2003, Joao; (xx) US 6,542,077, 04/2003, Joao; (xxi) US 6,549,130, 04/2003, Joao; (xxii) US 6,587,046, 07/2003, Joao; (xxiii) US 6,610,954, 08/2003, Takizawa; (xxiv) US 6,844,473, 01/2005, Quinlin et al.; (xxv) US 2002/0016655, 02/2002, Joao; (xxvi) US 2002/0049622, 04/2002, Lettich et al.; (xxvi) US 2002/0049622, 04/2002, Lettich et al.; (xxvii) US 2002/0116318, 08/2002, Thomas et al.; (xxviii) US 2002/0121969, 09/2002, Joao; (xxix) US 2002/0198774, 12/2002, Weirich; (xxx) US 2003/0009361, 01/2003, Hancock et al.; (xxxii) US

2003/0016130, 01/2003, Joao; (xxxii) US 2003/0067541, 04/2003, Joao; (xxxiii) US 2003/0071899, 04/2003, Joao; (xxxiv) US 2003/0084125, 05/2003, Nagda et al.; (xxxv) US 2003/0193404, 10/2003, Joao; (xxxvi) US 2003/0206102, 11/2003, Joao; (xxxvii) US 2004/0160319, 08/2004, Joao; (xxxviii) US 2004/0230601, 11/2004, Joao; (xxxix) US 2005/0171835, 08/2005, Mook et al.; (xxxx) US 2005/0248444, 11/2005, Joao; (xxxxi) “Technology Executive . . . joins Envirokare as president and Director”, 2 page Envirokare press release dated Sep. 5, 2000; and (xxxxii) “Envirokare Tech Inc. announces additions to advisory board”, 3 page Envirokare press release dated Sep. 7, 2000.

22. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '731 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002).
23. The '731 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
24. The '920 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '920 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: 340/539.11, 340/568.1 and 340/572.1.
25. After conducting searches for prior art during the examination of the '731 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found

during the searches: (i) US 5,825,283, 10/1998, Camhi; (ii) US 6,046,678, 04/2000, Wilk; (iii) US 6,148,291, 11/2000, Radican; (iv) US 6,323,782, 11/2001, Stephens et al.; (v) US 6,429,810, 08/2002, De Roche; (vi) US 6,610,954, 08/2003, Takizawa; (vii) US 6,745,027, 06/2004, Twitchell, Jr.; and (viii) US 6,882,269, 04/2005, Moreno.

26. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '920 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002).
27. The '920 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
28. The '029 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '029 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: G08G 1/20, G01S 13/84, G06Q 10/08, G06Q 10/087, G08B 1/08, G08G 1/202, G08G 1/205, H04W 4/02, and H04W 4/021.
29. After conducting searches for prior art during the examination of the '029 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the searches: (i) US 5,640,002, 06/1997, Ruppert et al.; (ii) US 5,825,283, 10/1998, Camhi; (iii) US 5,959,568, 09/1999, Woolley; (iv) US 6,046,678, 04/2000, Wilk; (v) US 6,148,291,

11/2000, Radican; (vi) US 6,281,797, 08/2001, Forster et al.; (vii) US 6,304,856, 10/2001, Soga; (viii) US 6,356,802, 03/2002, Takehara; (ix) US 6,411,891, 06/2002, Jones; (x) US 6,429,810, 08/2002, De Roche; (xi) US 6,610,954, 08/2003, Takizawa; (xii) US 6,745,027, 06/2004, Twitchell, Jr.; (xiii) US 6,748,318, 06/2004, Jones; (xix) US 6,859,722, 02/2005, Jones; (xx) US 6,882,269, 04/2005, Moreno; (xxi) US 6,904,359, 06/2005, Jones; (xxii) US 7,035,856, 04/2006, Morimoto; (xxiii) US 7,085,775, 08/2006, Short et al.; (xxiv) US 7,212,829, 05/2007, Lau et al.; (xxv) US 2002/0046173, 04/2002, Kelly; (xxvi) US 2002/0061758, 05/2002, Zarlengo et al.; (xxvii) US 2002/0120475, 08/2002, Morimoto; and (xxviii) US 2002/0132855, 07/2003, Swan.

30. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '029 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002).
31. The '029 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
32. The '109 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '109 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: G06Q 10/08, G06Q 10/083, G06Q 10/087, H04W 4/02, and H04W 4/021.

33. After conducting searches for prior art during the examination of the '109 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the searches: (i) US 5,959,568, 09/1999, Woolley; (ii) US 7,035,856, 04/2006, Morimoto; (iii) US 7,212,829, 05/2007, Lau et al.; (iv) US 7,253,731, 08/2007, Joao; (v) US 9,847,029, 12/2017, Joao; and (vi) US 2002/0120475, 08/2002, Morimoto.
34. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '109 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002).
35. The '109 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
36. The '268 Patent was examined by Primary United States Patent Examiner Van T. Trieu. During the examination of the '268 Patent, the United States Patent Examiner searched for prior art in the following US Classifications: G06Q 10/08 and G06Q 10/083.
37. After conducting searches for prior art during the examination of the '268 Patent, the United States Patent Examiner identified and cited the following as the most relevant prior art references found during the searches: (i) US 5,959,568, 09/1999, Woolley; (ii) US 6,148,291, 1/2000, Radican; (iii)

US 6,492,904, 12/2002, Richards; (iv) US 7,035,856, 04/2006, Morimoto; (v) US 10,181,109, 01/2019, Joao; and (vi) US 2002/0111819, 08/2002, Li.

38. After giving full proper credit to the prior art and having conducted a thorough search for all relevant art and having fully considered the most relevant art known at the time, the United States Patent Examiner allowed all of the claims of the '268 Patent to issue. In so doing, it is presumed that Examiner Trieu used his or her knowledge of the art when examining the claims. *K/S Himpp v. Hear-Wear Techs., LLC*, 751 F.3d 1362, 1369 (Fed. Cir. 2014). It is further presumed that Examiner Trieu has experience in the field of the invention, and that the Examiner properly acted in accordance with a person of ordinary skill. *In re Sang Su Lee*, 277 F.3d 1338, 1345 (Fed. Cir. 2002).
39. The '268 Patent is a pioneering patent, and has been cited as relevant prior art in over 130 subsequent United States Patent Applications, including Applications assigned to technology and business leaders such as Google, Inc., AT&T, FedEx, Qualcomm, Inc., Fujitsu, Ltd., United Parcel Services of America, American Airlines and NEC Corp.
40. The claims of the Transcend Patents were all properly issued, and are valid and enforceable for the respective terms of their statutory life through expiration, and are enforceable for purposes of seeking damages for past infringement even post-expiration. *See, e.g., Genetics Institute, LLC v. Novartis Vaccines and Diagnostics, Inc.*, 655 F.3d 1291, 1299 (Fed. Cir. 2011) ("[A]n expired patent is not viewed as having 'never existed.' Much to the contrary, a patent does have value beyond its expiration date. For example, an expired patent may form the basis of an action for past damages subject to the six-year limitation under 35 U.S.C. § 286") (internal citations omitted).
41. The expiration dates of the Transcend Patents are at least the following: the '731 Patent expired on August 7, 2019 due to nonpayment of maintenance fees; the '920 Patent expires no earlier than April

27, 2022; the '029 Patent expires no earlier than November 1, 2023; the '109 Patent expires no earlier than January 22, 2022; and the '268 Patent expires no earlier than January 22, 2022.

ACCUSED INSTRUMENTALITIES

42. Upon information and belief, Sonoco sells, advertises, offers for sale, uses, or otherwise provides shipment conveyance devices including, but not limited to, the Orion temperature controlled shipping box, the Pegasus ULD temperature controlled shipping container and the Pharmaport 360 temperature controlled shipping container, all of which incorporate an integrated telemetry system for shipping and/or delivering goods, products, items, and/or other objects that infringe the Transcend Patents.

COUNT I

(Infringement of U.S. Patent No. 10,181,109)

43. Plaintiff incorporates the above paragraphs by reference.

44. Sonoco has been on actual notice of the '109 Patent at least as early as the date it received service of this Original Complaint.

45. On information and belief, Sonoco owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.

46. Upon information and belief, Sonoco has directly infringed and continues to directly infringe at least claims 1, 8, 10, and 14 of the '109 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.

47. Sonoco, with knowledge of the '109 Patent, also infringes at least claims 1, 8, 10, and 14 of the '109 Patent by inducing others to infringe the '109 Patent. In particular, Sonoco intends to induce its customers to infringe the '109 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.

48. Sonoco also induces others, including its customers, to infringe at least claims 1, 8, 10, and 14 of the '109 Patent by providing technical support for the use of the Accused Instrumentalities.
49. Upon information and belief, Sonoco makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is a shipping container, a pallet, or a piece of luggage. For example, Sonoco provides Orion temperature controlled shipping boxes, Pegasus ULD temperature controlled shipping containers and Pharmaport 360 temperature controlled shipping containers ("shipment conveyance devices"), which incorporate an integrated telemetry system, for shipping and/or delivering goods, products, items, and/or other objects. See Figures 2-4 below, which are screenshots of webpages associated with Sonoco.



Figure 2²

² Source, as visited on February 9, 2022: <https://www.thermosafe.com/wp-content/uploads/2021/03/PharmaPort-DHL-Case-Study-2.pdf>



Figure 3³

OCTOBER 9, 2019

Sonoco ThermoSafe Introduces the Orion r® High Performance Temperature Controlled Box Rental Service

A white shipping box with 'ORION' branding, 'temperature sensitive product', '5L', and 'thermosafe.com/OrionR'. To the right is a large logo for 'ORION r' with the tagline 'HIGH PERFORMANCE. INTEGRATED TECH. NO EXCEPTIONS.'.

Figure 4⁴

³ Source, as visited on February 9, 2022: https://www.thermosafe.com/wp-content/uploads/2021/03/Case-Study_ThermoSafe-and-AirBridgeCargo_Pegasus-ULD-FEB21.pdf

50. Upon information and belief, Sonoco provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or location of the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which comprises a global positioning device to determine a position/location of the shipping container. See Figures 5-9 below, which are screenshots of webpages associated with Sonoco.

Sonoco ThermoSafe has announced the creation of the Orion r® high performance temperature controlled box rental service. This service will feature the new Orion r® line of temperature controlled packaging, featuring high performance vacuum panel insulation encased in a lightweight, rugged EPP shell for maximum durability and thermal duration. The Orion r® line will also offer optional on board telemetry, allowing biopharmaceutical clients access to cloud-based temperature and **geolocation data** for maximum shipment visibility and quality assurance.

Figure 5⁵

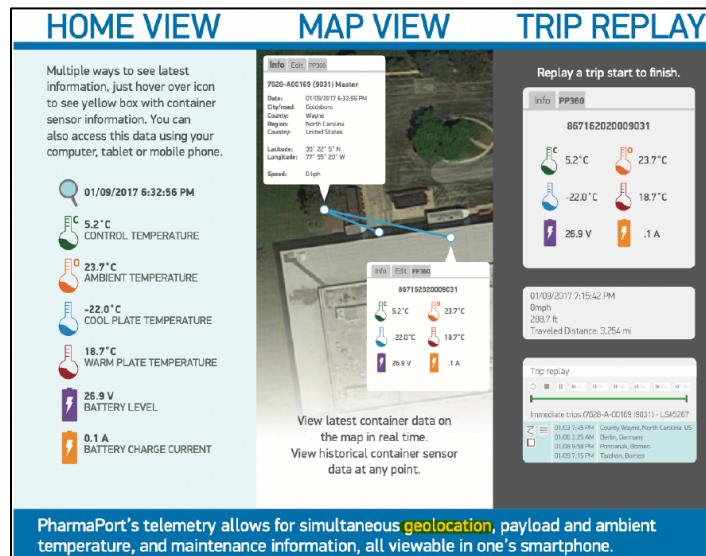


Figure 6⁶

⁴ Source, as visited on February 9, 2022: <https://www.thermosafe.com/news/sonoco-thermosafe-introduces-the-orion-r-high-performance-temperature-controlled-box-rental-service/>

⁵ Source, as visited on February 9, 2022: <https://www.thermosafe.com/news/sonoco-thermosafe-introduces-the-orion-r-high-performance-temperature-controlled-box-rental-service/>

At the same time, ambient conditions are similarly recorded, and with onboard GPS and accelerometers, a quick and easy assessment of operational conditions can be made (i.e., shipment in motion; shipment in flight; container loading/unloading, etc.). The telemetry includes software for geofencing (ensuring that the container stays within a specified port or roadway).

Figure 7⁷

THE SUCCESS	
<p>This shipment demonstrated Pegasus' ability to address two of the key challenges for bulk passive pharmaceutical packaging technologies: providing long duration (>5 day) thermal performance, and a design that eases operational handling at every step, from trucking to ground handling to flying.</p> <p>Pegasus is the world's first passive bulk temperature-controlled container for pharmaceutical use that is a Federal Aviation Administration (FAA) /EASA-approved unit load device, which allows it to speed through existing international ground handling and customs processes at the lowest possible cost. Engineered with composite materials, Pegasus will offer a lighter solution that is substantially more damage-resistant than traditional metal containers. Additionally, Pegasus</p>	<p>contains a fully integrated, telemetry system, providing real-time, cloud-based data on payload and ambient temperature and key environmental factors, precisely synchronized with GPS location.</p> <p>"As Covid-19 accelerates global pharmaceutical companies' evolution of their processes to ship large amounts of medicines from their production facilities into distribution centers, the ability to adopt alternative smart packaging to reduce cost and increase efficiencies has driven many to reconsider packaging as a strategic decision," said Ron Haub, Segment Director at Sonoco ThermoSafe. "The renewed focus on cold chain transportation has revealed the importance of data collection to verify cold chain integrity. In keeping with our digital DNA, Sonoco ThermoSafe has specialized in harnessing the visibility data generates for its customers. That's why the Pegasus</p>

Figure 8⁸

⁶ Source, as visited on February 9, 2022: <https://www.thermosafe.com/wp-content/uploads/2021/03/PharmaPort-DHL-Case-Study-2.pdf>

⁷ Source, as visited on February 9, 2022: <https://www.thermosafe.com/wp-content/uploads/2021/03/PharmaPort-DHL-Case-Study-2.pdf>

THE SOLUTION

Pegasus contains a fully integrated, FAA and EASA approved telemetry system, providing real-time, cloud-based data on both payload and ambient temperature and key environmental factors, precisely **synchronized with GPS location**, which confirmed that the internal temperature held between 2°C and 8°C throughout the entire journey.

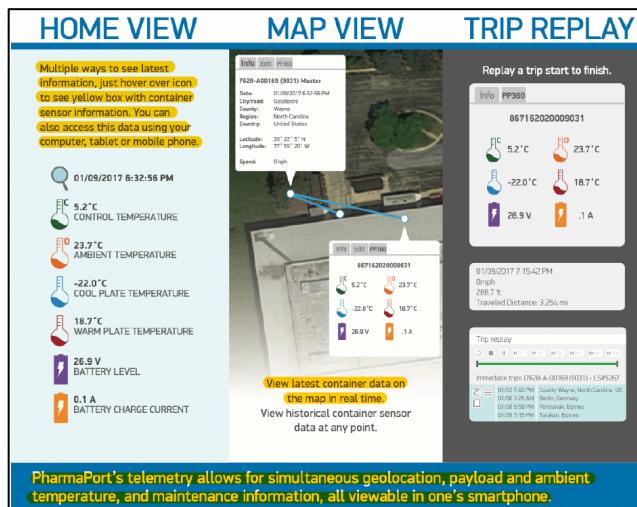
Figure 9⁹

51. Upon information and belief, Sonoco provides a processor, wherein the processor generates a message in response to an occurrence of the event or in response to a request for information regarding the shipment conveyance device, wherein the request for information is automatically received by the receiver, wherein the message contains information regarding a position or location of the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which, on information and belief, include processing devices which measure information related to the shipping container, including one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Sonoco provides a processor which processes information regarding the shipment conveyance device. As a further example, Sonoco's shipping containers equipped with an integrated telemetry system detect an event including one or more of, but not limited to, deviation in temperature and

⁸ Source, as visited on February 9, 2022: https://www.thermosafe.com/wp-content/uploads/2021/03/Case-Study_ThermoSafe-and-AirBridgeCargo_Pegasus-ULD-FEB21.pdf

⁹ Source, as visited on February 9, 2022: https://www.thermosafe.com/wp-content/uploads/2021/03/Case-Study_ThermoSafe-and-AirBridgeCargo_Pegasus-ULD-FEB21.pdf

deviation in planned route and, in response to the detected event, send alerts (“message”) containing information about the event to the customers of Sonoco. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by Sonoco. Therefore, on information and belief, Sonoco provides a processor which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance device. As a further example, Sonoco’s shipping containers, that incorporate an integrated telemetry system, measure information using sensors including one or more of, but not limited to, a GPS sensor, a temperature sensor, a light sensor, a tilt sensor, a humidity sensor and a pressure sensor, and transmit information in the form of alerts to Sonoco’s customers after a request for information is received by Sonoco automatically. Therefore, on information and belief, Sonoco provides a receiver which receives a request for information automatically. See Figures 5-9 above. See also Figures 10-12 below, which are screenshots of webpages associated with Sonoco.

Figure 10¹⁰

¹⁰ Source, as visited on February 9, 2022: <https://www.thermosafe.com/wp-content/uploads/2021/03/PharmaPort-DHL-Case-Study-2.pdf>

At the same time, ambient conditions are similarly recorded, and with onboard GPS and accelerometers, a quick and easy assessment of operational conditions can be made (i.e., shipment in motion; shipment in flight; container loading/unloading, etc.). The telemetry includes software for geofencing (ensuring that the container stays within a specified port or roadway).

Figure 11¹¹



Figure 2.1

The container has an integrated telemetry system that collects real-time data that allows the users to keep track of critical product and shipper parameters. These include geo-location of the shipper, ambient conditions, light sensor (door open/close) indicator, tilt, humidity, pressure and internal temperature.

Figure 12¹²

¹¹ Source, as visited on February 9, 2022: <https://www.thermosafe.com/wp-content/uploads/2021/03/PharmaPort-DHL-Case-Study-2.pdf>

¹² Source, as visited on February 9, 2022: https://www.thermosafe.com/wp-content/uploads/2021/03/Case-Study_ThermoSafe-and-AirBridgeCargo_Pegasus-ULD-FEB21.pdf

52. Upon information and belief, Sonoco provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, and further wherein the transmitter transmits the message to a communication device associated with an owner of the shipment conveyance device, a receiver of the shipment conveyance device, or an individual authorized to receive the message. For example, Sonoco's shipping containers ("shipment conveyance device"), that incorporate an integrated telemetry system, send information ("message") including one or more of, but not limited to, location and temperature, to Sonoco's customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Sonoco provides a transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message. See Figures 5-12 above.
53. Upon information and belief, Sonoco provides a sensor, wherein the sensor monitors or measures a temperature during a shipment or a transportation of the shipment conveyance device, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device, or a force exerted on the shipment conveyance device. For example, Sonoco's shipping containers, that incorporate an integrated telemetry system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Sonoco's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device. See Figures 5-12 above.
54. Upon information and belief, Sonoco also provides a message which contains information regarding a temperature during the shipment or the transportation, a change in a shipment or transportation temperature, or an impact or force exerted on the shipment conveyance device. For example, Sonoco's shipping containers, that incorporate an integrated telemetry system, monitors at least a temperature in the shipping container and transmits this temperature information ("message") to

Sonoco's customers. As a further example, Sonoco's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Sonoco's customers if the change exceeds a predetermined threshold. Therefore, Sonoco provides a message which contains information regarding temperature of shipment. See Figures 8-10 and 12 above.

55. Upon information and belief, Sonoco further provides an apparatus wherein the event is a detection of a deviation from a pre-determined shipment or transportation route associated with a shipment or a transportation of or involving the shipment conveyance device. For example, Sonoco's shipping, that incorporate an integrated telemetry system, include software for geofencing that ensures the container stays within a specified port or roadway. Therefore, on information and belief, Sonoco's shipping containers detect events related to deviation from a pre-determined transportation route (e.g., "geofencing"). See Figure 11 above.
56. Upon information and belief, Sonoco further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated container, a heated container, or an insulated container. For example, some of Sonoco's shipping containers are temperature controlled containers. See Figures 2-4 above.
57. To the extent Sonoco continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '109 Patent, such infringement is necessarily willful and deliberate.
58. On information and belief, Sonoco has a policy or practice of not reviewing the patents of others. Further on information and belief, Sonoco instructs its employees to not review the patents of others for clearance or to assess infringement thereof. As such, Sonoco has been willfully blind to the patent rights of Plaintiff.
59. Each of Sonoco's aforesaid activities has been without authority and/or license from Plaintiff.

COUNT II

(Infringement of U.S. Patent No. 9,847,029)

60. Plaintiff incorporates the above paragraphs by reference.
61. Sonoco has been on actual notice of the '029 Patent at least as early as the date it received service of this Original Complaint.
62. On information and belief, Sonoco owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.
63. Upon information and belief, Sonoco has directly infringed and continues to directly infringe at least Claims 2, 12, 15, and 19 of the '029 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.
64. Sonoco, with knowledge of the '029 Patent, also infringes at least Claims 2, 12, 15, and 19 of the '029 Patent by inducing others to infringe the '029 Patent. In particular, Sonoco intends to induce its customers to infringe the '029 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.
65. Sonoco also induces others, including its customers, to infringe at least Claims 2, 12, 15, and 19 of the '029 Patent by providing technical support for the use of the Accused Instrumentalities.
66. As described above (see ¶ 49), and upon information and belief, Sonoco makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is a smart container, a pallet, or a piece of luggage. For example, Sonoco provides Orion temperature controlled shipping boxes, Pegasus ULD temperature controlled shipping containers and Pharmaport 360 temperature controlled shipping containers (“shipment conveyance devices”), which incorporate an integrated telemetry system, for shipping and/or delivering goods, products, items, and/or other objects.

67. As described above (*see ¶ 50*), and upon information and belief, Sonoco provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or location of the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which comprises a global positioning device to determine a position/location of the shipping container.
68. As described above (*see ¶ 51*), and upon information and belief, Sonoco also provides a processor, wherein the processor processes information regarding the shipment conveyance device in response to an occurrence of an event or in response to a request for information regarding the shipment conveyance device, and further wherein the processor generates a message in response to the occurrence of the event or in response to the request for information regarding the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which, on information and belief, include processing devices which measure information related to the shipping container, including one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Sonoco provides a processor which processes information regarding the shipment conveyance device. As a further example, Sonoco's shipping containers equipped with an integrated telemetry system detect an event including one or more of, but not limited to, deviation in temperature and deviation in planned route and, in response to the detected event, send alerts ("message") containing information about the event to the customers of Sonoco. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by Sonoco. Therefore, on information and belief, Sonoco provides a processor which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance

device. As a further example, Sonoco's shipping containers, that incorporate an integrated telemetry system, measure information using sensors including one or more of, but not limited to, a GPS sensor, a temperature sensor, a light sensor, a tilt sensor, a humidity sensor and a pressure sensor, and transmit information in the form of alerts to Sonoco's customers after a request for information is received by Sonoco.

69. As described above (*see ¶ 52*), and upon information and belief, Sonoco provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, and further wherein the transmitter transmits the message to a communication device associated with an owner of the shipment conveyance device, a receiver of the shipment conveyance device, or an individual authorized to receive the message. For example, Sonoco's shipping containers ("shipment conveyance device"), that incorporate an integrated telemetry system, send information ("message") including one or more of, but not limited to, location and temperature, to Sonoco's customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Sonoco provides a transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message.
70. As described above (*see ¶ 53*), and upon information and belief, Defendant provides a sensor, wherein the sensor monitors or measures a temperature during a shipment or a transportation of the shipment conveyance device, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device, or a force exerted on the shipment conveyance device. For example, Sonoco's shipping containers, that incorporate an integrated telemetry system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Sonoco's shipping

containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device.

71. As described above (*see ¶ 54*), and upon information and belief, Sonoco also provides a message which contains information regarding a temperature during the shipment or the transportation, a change in a shipment or transportation temperature, or an impact or force exerted on the shipment conveyance device. For example, Sonoco's shipping containers, that incorporate an integrated telemetry system, monitors at least a temperature in the shipping container and transmits this temperature information ("message") to Sonoco's customers. As a further example, Sonoco's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Sonoco's customers if the change exceeds a predetermined threshold. Therefore, Sonoco provides a message which contains information regarding temperature of shipment.
72. As described above (*see ¶ 55*), and upon information and belief, Sonoco further provides an apparatus wherein the event is a detection of a deviation from a pre-determined shipment or transportation route associated with a shipment or a transportation of or involving the shipment conveyance device. For example, Sonoco's shipping, that incorporate an integrated telemetry system, include software for geofencing that ensures the container stays within a specified port or roadway. Therefore, on information and belief, Sonoco's shipping containers detect events related to deviation from a pre-determined transportation route (e.g., "geofencing").
73. As described above (*see ¶ 56*), and upon information and belief, Sonoco further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated container, a heated container, or an insulated container. For example, some of Sonoco's shipping containers are temperature controlled containers.

74. To the extent Sonoco continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '029 Patent, such infringement is necessarily willful and deliberate.
75. On information and belief, Sonoco has a policy or practice of not reviewing the patents of others. Further on information and belief, Sonoco instructs its employees to not review the patents of others for clearance or to assess infringement thereof. As such, Sonoco has been willfully blind to the patent rights of Plaintiff.
76. Each of Sonoco's aforesaid activities has been without authority and/or license from Plaintiff.

COUNT III

(Infringement of U.S. Patent No. 7,482,920)

77. Plaintiff incorporates the above paragraphs by reference.
78. Sonoco has been on actual notice of the '920 Patent at least as early as the date it received service of this Original Complaint.
79. On information and belief, Sonoco owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.
80. Upon information and belief, Sonoco has directly infringed and continue to directly infringe at least Claims 1, 5, 9, 11, and 16 of the '920 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.
81. Sonoco, with knowledge of the '920 Patent, also infringes at least Claims 1, 5, 9, 11, and 16 of the '920 Patent by inducing others to infringe the '920 Patent. In particular, Sonoco intends to induce its customers to infringe the '920 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.

82. Sonoco also induces others, including its customers, to infringe at least Claims 1, 5, 9, 11, and 16 of the '920 Patent by providing technical support for the use of the Accused Instrumentalities.
83. As described above (*see ¶ 49*), and upon information and belief, Sonoco makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is a smart container, a pallet, or a piece of luggage. For example, Sonoco provides Orion temperature controlled shipping boxes, Pegasus ULD temperature controlled shipping containers and Pharmaport 360 temperature controlled shipping containers (“shipment conveyance devices”), which incorporate an integrated telemetry system, for shipping and/or delivering goods, products, items, and/or other objects.
84. Upon information and belief, Sonoco provides a memory device, wherein the memory device is located in, on, or at, the shipment conveyance device, wherein the memory device stores information regarding a description of a good, product, or item, being shipped or transported via or which is contained in or on the shipment conveyance device, and origination information, sender information, shipper information, destination information, receiver information, handling instruction information, delivery instruction information, invoice information, packing slip information, delivery time information, or payment instruction information, regarding the shipment conveyance device. For example, Sonoco’s shipping containers are equipped with an integrated telemetry system which comprise sensors including one or more of, but not limited to, a GPS sensor, a temperature sensor, a light sensor, a tilt sensor, a humidity sensor and a pressure sensor. As a further example, and on information and belief, Sonoco’s shipping containers equipped with an integrated telemetry system store at least an identification of Sonoco (since it communicates the position of the container and measurements from the sensors), and therefore Sonoco provides a memory device which stores at least one or more of origination information, sender information, and shipper information regarding

the shipment conveyance device. As a further example, Sonoco's shipping containers equipped with an integrated telemetry system store at least an identification of Sonoco's container (since it communicates the position of the container and measurements from the sensors), and therefore Sonoco provides a memory device which stores at least one or more of origination information, sender information, and shipper information regarding the shipment conveyance device. As a further example, Sonoco's shipping containers equipped with an integrated telemetry system store at least an identification of Sonoco's customer (since it communicates the position of the container and measurements from the sensors to Sonoco (who may have multiple customers availing Sonoco's services at any given time) and Sonoco must correlate the information to the particular customer in order to provide updates to the customer), and therefore Sonoco provides a memory device which stores at least one or more of origination information, sender information, shipper information, destination information and receiver information regarding the shipment conveyance device. See Figures 2-12 above.

85. As described above (*see ¶ 50*), and upon information and belief, Sonoco provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or location of the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which comprises a global positioning device to determine a position/location of the shipping container.
86. As described above (*see ¶ 51*), and upon information and belief, Sonoco also provides a processing device, wherein the processing device processes information regarding the shipment conveyance device in response to an occurrence of an event or in response to a request for information regarding the shipment conveyance device, wherein the processing device generates a message containing

information regarding the position or location of the shipment conveyance device and information regarding the occurrence of an event, a status of a shipment or a transportation of or involving the shipment conveyance device, a shipment or transportation temperature, or an impact or force on the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which, on information and belief, include processing devices which measure information related to the shipping container, including one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Sonoco provides a processor which processes information regarding the shipment conveyance device. As a further example, Sonoco's shipping containers equipped with an integrated telemetry system detect an event including one or more of, but not limited to, deviation in temperature and deviation in planned route and, in response to the detected event, send alerts ("message") containing information about the event to the customers of Sonoco. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by Sonoco. Therefore, on information and belief, Sonoco provides a processor which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance device. As a further example, Sonoco's shipping containers, that incorporate an integrated telemetry system, measure information using sensors including one or more of, but not limited to, a GPS sensor, a temperature sensor, a light sensor, a tilt sensor, a humidity sensor and a pressure sensor, and transmit information in the form of alerts to Sonoco's customers after a request for information is received by Sonoco.

87. As described above (*see ¶ 52*), and upon information and belief, Sonoco provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, wherein the transmitter transmits the message to a communication device associated with an individual or entity,

a sender of the shipment conveyance device, a receiver of the shipment conveyance device, a Sonoco of the shipment conveyance device, or an individual or entity authorized to receive information regarding the shipment conveyance device or information regarding a shipment or a transportation of or involving the shipment conveyance device. For example, Sonoco's shipping containers ("shipment conveyance device"), that incorporate an integrated telemetry system, send information ("message") including one or more of, but not limited to, location and temperature, to Sonoco's customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Sonoco provides a transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message.

88. As described above (*see ¶ 53*), and upon information and belief, Sonoco provides a sensor, wherein the sensor monitors or measures a temperature during a shipment or the transportation of the shipment conveyance device, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device, or a force exerted on the shipment conveyance device. For example, Sonoco's shipping containers, that incorporate an integrated telemetry system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Sonoco's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device.
89. As described above (*see ¶ 54*), and upon information and belief, Sonoco also provides a message which contains information regarding a temperature during the shipment or the transportation, a change in a shipment or transportation temperature, or an impact or force exerted on the shipment conveyance device. For example, Sonoco's shipping containers, that incorporate an integrated

telemetry system, monitors at least a temperature in the shipping container and transmits this temperature information (“message”) to Sonoco’s customers. As a further example, Sonoco’s shipping containers detects changes in the temperature in the shipping container and transmit an alert (“message”) to Sonoco’s customers if the change exceeds a predetermined threshold. Therefore, Sonoco provides a message which contains information regarding temperature of shipment.

90. As described above (*see ¶ 55*), and upon information and belief, Sonoco further provides an apparatus wherein the event is a detection of a deviation from a pre-determined shipment or transportation route associated with the shipment or a transportation of or involving the shipment conveyance device. For example, Sonoco’s shipping, that incorporate an integrated telemetry system, include software for geofencing that ensures the container stays within a specified port or roadway. Therefore, on information and belief, Sonoco’s shipping containers detect events related to deviation from a pre-determined transportation route (e.g., “geofencing”).
91. Upon information and belief, Sonoco further provides an apparatus wherein the event is a detection of a shipment or transportation temperature which deviates from a shipment or transportation temperature requirement. For example, Sonoco’s shipping containers equipped an integrated telemetry system transmit alerts to Sonoco’s customers when the temperature in the container is detected beyond a threshold, and therefore, detects events including, but not limited to, deviation in shipment temperature. See Figures 5, 6, 8-10 and 12 above.
92. As described above (*see ¶ 56*), and upon information and belief, Sonoco further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated container, a heated container, or an insulated container. For example, some of Sonoco’s shipping containers are temperature controlled containers.

93. To the extent Sonoco continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '920 Patent, such infringement is necessarily willful and deliberate.
94. On information and belief, Sonoco has a policy or practice of not reviewing the patents of others. Further on information and belief, Sonoco instructs its employees to not review the patents of others for clearance or to assess infringement thereof. As such, Sonoco has been willfully blind to the patent rights of Plaintiff.
95. Each of Sonoco's aforesaid activities has been without authority and/or license from Plaintiff.

COUNT IV

(Infringement of U.S. Patent No. 10,796,268)

96. Plaintiff incorporates the above paragraphs by reference.
97. Sonoco has been on actual notice of the '268 Patent at least as early as the date it received service of this Original Complaint.
98. On information and belief, Sonoco owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.
99. Upon information and belief, Sonoco has directly infringed and continue to directly infringe at least Claims 1, 8 , 10 and 12 of the '268 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.
100. Sonoco, with knowledge of the '268 Patent, also infringes at least Claims 1, 8 , 10 and 12 of the '268 Patent by inducing others to infringe the '268 Patent. In particular, Sonoco intends to induce its customers to infringe the '268 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.

101. Sonoco also induces others, including its customers, to infringe at least Claims 1, 8, 10 and 12 of the '268 Patent by providing technical support for the use of the Accused Instrumentalities.
102. As described above (*see ¶ 49*), and upon information and belief, Sonoco makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is a shipping container, a pallet, or a piece of luggage. For example, Sonoco provides Orion temperature controlled shipping boxes, Pegasus ULD temperature controlled shipping containers and Pharmaport 360 temperature controlled shipping containers ("shipment conveyance devices"), which incorporate an integrated telemetry system, for shipping and/or delivering goods, products, items, and/or other objects.
103. As described above (*see ¶ 50*), and upon information and belief, Sonoco provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or location of the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which comprises a global positioning device to determine a position/location of the shipping container.
104. As described above (*see ¶ 51*), and upon information and belief, Sonoco also provides a processor, wherein the processor generates a message in response to an occurrence of an event, or in response to a request for information regarding the shipment conveyance device which is automatically received by a receiver, wherein the message contains information regarding a shipment of the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which, on information and belief, include processing devices which measure information related to the shipping container, including one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Sonoco

provides a processor which processes information regarding the shipment conveyance device. As a further example, Sonoco's shipping containers equipped with an integrated telemetry system detect an event including one or more of, but not limited to, deviation in temperature and deviation in planned route and, in response to the detected event, send alerts ("message") containing information about the event to the customers of Sonoco. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by Sonoco. Therefore, on information and belief, Sonoco provides a processor which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance device. As a further example, Sonoco's shipping containers, that incorporate an integrated telemetry system, measure information using sensors including one or more of, but not limited to, a GPS sensor and a temperature sensor, and transmit information in the form of alerts to Sonoco's customers after a request for information is received by Sonoco automatically. Therefore, on information and belief, Sonoco provides a receiver which receives a request for information automatically.

105. As described above (see ¶ 52), and upon information and belief, Sonoco provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, and further wherein the transmitter transmits the message to a communication device associated with an owner of the shipment conveyance device or an individual authorized to receive the message. For example, Sonoco's shipping containers ("shipment conveyance device"), that incorporate an integrated telemetry system, send information ("message") including one or more of, but not limited to, location and temperature, to Sonoco's customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Sonoco provides a

transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message.

106. As described above (*see ¶ 53*), and upon information and belief, Sonoco provides a sensor, wherein the sensor monitors or measures a temperature during a shipment or a transportation of the shipment conveyance device, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device, or a force exerted on the shipment conveyance device. For example, Sonoco's shipping containers, that incorporate an integrated telemetry system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Sonoco's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device.
107. As described above (*see ¶ 54*), and upon information and belief, Sonoco also provides a message which contains information regarding a temperature during the shipment or the transportation, a change in a shipment or transportation temperature, or an impact or force exerted on the shipment conveyance device. For example, Sonoco's shipping containers, that incorporate an integrated telemetry system, monitors at least a temperature in the shipping container and transmits this temperature information ("message") to Sonoco's customers. As a further example, Sonoco's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Sonoco's customers if the change exceeds a predetermined threshold. Therefore, Sonoco provides a message which contains information regarding temperature of shipment.
108. As described above (*see ¶ 55*), and upon information and belief, Sonoco further provides an apparatus wherein the event is a detection of a deviation from a pre-determined shipment or transportation route associated with a shipment or a transportation of or involving the shipment

conveyance device. For example, Sonoco's shipping, that incorporate an integrated telemetry system, include software for geofencing that ensures the container stays within a specified port or roadway. Therefore, on information and belief, Sonoco's shipping containers detect events related to deviation from a pre-determined transportation route (e.g., "geofencing").

109. As described above (see ¶ 56), and upon information and belief, Sonoco further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated container, a heated container, or an insulated container. For example, some of Sonoco's shipping containers are temperature controlled containers.
110. To the extent Sonoco continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '268 Patent, such infringement is necessarily willful and deliberate.
111. On information and belief, Sonoco has a policy or practice of not reviewing the patents of others. Further on information and belief, Sonoco instructs its employees to not review the patents of others for clearance or to assess infringement thereof. As such, Sonoco has been willfully blind to the patent rights of Plaintiff.
112. Each of Sonoco's aforesaid activities has been without authority and/or license from Plaintiff.

COUNT V

(Infringement of U.S. Patent No. 7,253,731)

113. Plaintiff incorporates the above paragraphs by reference.
114. Sonoco has been on actual notice of the '731 Patent at least as early as the date it received service of this Original Complaint.
115. On information and belief, Sonoco owns and controls the operation of the Accused Instrumentalities and generates substantial financial revenues therefrom.

116. Upon information and belief, Sonoco has directly infringed and continue to directly infringe at least Claims 1, 5, 9, 11, and 16 of the '731 Patent by making, using, importing, selling, and/or, offering for sale the Accused Instrumentalities.
117. Sonoco, with knowledge of the '731 Patent, also infringes at least Claims 1, 5, 9, 11, and 16 of the '731 Patent by inducing others to infringe the '731 Patent. In particular, Sonoco intends to induce its customers to infringe the '731 Patent by encouraging its customers to use the Accused Instrumentalities in a manner that results in infringement.
118. Sonoco also induces others, including its customers, to infringe at least Claims 1, 5, 9, 11, and 16 of the '268 Patent by providing technical support for the use of the Accused Instrumentalities.
119. As described above (*see ¶ 49*), and upon information and belief, Sonoco makes, uses, sells and offers for sale an apparatus, comprising, a shipment conveyance device, wherein the shipment conveyance device is associated with a shipment, and further wherein the shipment conveyance device is at least one of a shipping container, a pallet, and a tote. For example, Sonoco provides Orion temperature controlled shipping boxes, Pegasus ULD temperature controlled shipping containers and Pharmaport 360 temperature controlled shipping containers (“shipment conveyance devices”), which incorporate an integrated telemetry system, for shipping and/or delivering goods, products, items, and/or other objects.
120. As described above (*see ¶ 84*), and upon information and belief, Sonoco provides a memory device, wherein the memory device is located in, on, or at, the shipment conveyance device, wherein information regarding the shipment is stored in the memory device, and further wherein the information regarding the shipment includes a description of a good, product, or item, being shipped or transported via the shipment conveyance device, and at least one of origination information, sender information, shipper information, destination information, receiver information, handling

instruction information, delivery instruction information, invoice information, packing slip information, delivery time information, and payment instruction information, regarding the shipment. For example, Sonoco's shipping containers are equipped with an integrated telemetry system which comprise sensors including one or more of, but not limited to, a GPS sensor, a temperature sensor, a light sensor, a tilt sensor, a humidity sensor and a pressure sensor. As a further example, and on information and belief, Sonoco's shipping containers equipped with an integrated telemetry system store at least an identification of Sonoco (since it communicates the position of the container and measurements from the sensors), and therefore Sonoco provides a memory device which stores at least one or more of origination information, sender information, and shipper information regarding the shipment conveyance device. As a further example, Sonoco's shipping containers equipped with an integrated telemetry system store at least an identification of Sonoco's container (since it communicates the position of the container and measurements from the sensors), and therefore Sonoco provides a memory device which stores at least one or more of origination information, sender information, and shipper information regarding the shipment conveyance device. As a further example, Sonoco's shipping containers equipped with an integrated telemetry system store at least an identification of Sonoco's customer (since it communicates the position of the container and measurements from the sensors to Sonoco (who may have multiple customers availing Sonoco's services at any given time) and Sonoco must correlate the information to the particular customer in order to provide updates to the customer), and therefore Sonoco provides a memory device which stores at least one or more of origination information, sender information, shipper information, destination information and receiver information regarding the shipment conveyance device.

121. As described above (see ¶ 50), and upon information and belief, Sonoco provides a global positioning device, wherein the global positioning device is located in, on, or at, the shipment conveyance device, and further wherein the global positioning device determines a position or location of the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which comprises a global positioning device to determine a position/location of the shipping container.
122. As described above (see ¶¶ 51, 53 and 54), and upon information and belief, Sonoco also provides a processing device, wherein the processing device processes at least one of information regarding the shipment and information regarding the shipment conveyance device in response to an occurrence of an event or in response to a request for information regarding the shipment or the shipment conveyance device, wherein the processing device generates a message containing information regarding the position or location of the shipment or the shipment conveyance device and information regarding at least one of the occurrence of an event, a status of the shipment, a shipment temperature, and an impact or force on the shipment conveyance device. For example, Sonoco's shipping containers incorporate an integrated telemetry system which, on information and belief, include processing devices which measure information related to the shipping container, including one or more of, but not limited to, the location of the shipping container and the temperature in the shipping container. Therefore, Sonoco provides a processor which processes information regarding the shipment conveyance device. As a further example, Sonoco's shipping containers equipped with an integrated telemetry system detect an event including one or more of, but not limited to, deviation in temperature and deviation in planned route and, in response to the detected event, send alerts ("message") containing information about the event to the customers of Sonoco. On information and belief, these alerts are viewed via a desktop application and/or a mobile application provided by

Sonoco. Therefore, on information and belief, Sonoco provides a processor which generates a message in response to occurrence of an event and the message contains information regarding the position and location of the shipment conveyance device. As a further example, Sonoco's shipping containers, that incorporate an integrated telemetry system, measure information using sensors including one or more of, but not limited to, a GPS sensor and a temperature sensor, and transmit information in the form of alerts to Sonoco's customers after a request for information is received by Sonoco automatically. As a further example, Sonoco's shipping containers, that incorporate an integrated telemetry system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Sonoco's shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device. As a further example, Sonoco's shipping containers, that incorporate an integrated telemetry system, monitors at least a temperature in the shipping container and transmits this temperature information ("message") to Sonoco's customers. As a further example, Sonoco's shipping containers detects changes in the temperature in the shipping container and transmit an alert ("message") to Sonoco's customers if the change exceeds a predetermined threshold. Therefore, Sonoco provides a message which contains information regarding temperature of shipment.

123. As described above (see ¶ 52), and upon information and belief, Sonoco provides a transmitter, wherein the transmitter is located in, on, or at, the shipment conveyance device, and further wherein the transmitter transmits the message to a communication device associated with at least one of an individual or entity, a sender of the shipment, a receiver of the shipment, a Sonoco of the shipment, and an individual or entity authorized to receive information regarding the shipment or the shipment conveyance device. For example, Sonoco's shipping containers ("shipment conveyance device"),

that incorporate an integrated telemetry system, send information (“message”) including one or more of, but not limited to, location and temperature, to Sonoco’s customers. As a result, the customers monitor their shipments present in the shipping containers using a computer or mobile device. Therefore, Sonoco provides a transmitter for transmitting a message to a communication device associated with an owner or an individual authorized to receive the message.

124. As described above (*see ¶ 53*), and upon information and belief, Sonoco provides a sensor, wherein the sensor monitors or measures at least one of a temperature during shipment, a shock exerted on the shipment conveyance device, an impact exerted on the shipment conveyance device, and a force exerted on the shipment conveyance device. For example, Sonoco’s shipping containers, that incorporate an integrated telemetry system, include at least one or more of, but not limited to, a temperature sensor for measuring at least a temperature experienced by the shipping container during transportation. Therefore, Sonoco’s shipping containers comprise sensors that monitor and measure at least one or more of, but not limited to, temperature, shock, impact and force experienced by the shipment conveyance device.
125. As described above (*see ¶ 54*), and upon information and belief, Sonoco also provides a message which contains information regarding at least one of a temperature of the shipment, a change in a shipment temperature, and an impact or force exerted on the shipment conveyance device. For example, Sonoco’s shipping containers, that incorporate an integrated telemetry system, monitors at least a temperature in the shipping container and transmits this temperature information (“message”) to Sonoco’s customers. As a further example, Sonoco’s shipping containers detects changes in the temperature in the shipping container and transmit an alert (“message”) to Sonoco’s customers if the change exceeds a predetermined threshold. Therefore, Sonoco provides a message which contains information regarding temperature of shipment.

126. As described above (see ¶ 55), and upon information and belief, Sonoco further provides an apparatus wherein the event is a detection of a deviation from a pre-determined transportation route associated with the shipment. For example, Sonoco's shipping, that incorporate an integrated telemetry system, include software for geofencing that ensures the container stays within a specified port or roadway. Therefore, on information and belief, Sonoco's shipping containers detect events related to deviation from a pre-determined transportation route (e.g., "geofencing").
127. As described above (see ¶ 91), and upon information and belief, Sonoco further provides an apparatus wherein the event is a detection of a shipment temperature which deviates from a shipment temperature requirement. For example, Sonoco's shipping containers equipped an integrated telemetry system transmit alerts to Sonoco's customers when the temperature in the container is detected beyond a threshold, and therefore, detects events including, but not limited to, deviation in shipment temperature.
128. As described above (see ¶ 56), and upon information and belief, Sonoco further provides an apparatus wherein the shipping container, the pallet, or the piece of luggage, is a refrigerated container, a heated container, or an insulated container. For example, some of Sonoco's shipping containers are temperature controlled containers.
129. To the extent Sonoco continues, and has continued, its infringing activities noted above in an infringing manner post-notice of the '731 Patent, such infringement is necessarily willful and deliberate.
130. On information and belief, Sonoco has a policy or practice of not reviewing the patents of others. Further on information and belief, Sonoco instructs its employees to not review the patents of others for clearance or to assess infringement thereof. As such, Sonoco has been willfully blind to the patent rights of Plaintiff.

131. Each of Sonoco's aforesaid activities has been without authority and/or license from Plaintiff.

PRAYER FOR RELIEF

WHEREFORE, Transcend respectfully requests the Court enter judgment against Sonoco:

1. Declaring that Sonoco has infringed each of the Transcend Patents;
2. Declaring that Sonoco's infringement of each of the Transcend Patents has been willful and deliberate;
3. Awarding Transcend compensatory damages as a result of Sonoco's infringement of the Transcend Patents;
4. Awarding Transcend treble damages and pre-judgment interest under 35 U.S.C. § 284 as a result of Sonoco's willful and deliberate infringement of the Transcend Patents;
5. Granting a permanent injunction pursuant to 35 U.S.C. § 283, enjoining Sonoco from further acts of infringement with respect to the Transcend Patents;
6. Awarding Transcend its costs, attorneys' fees, expenses, and interest;
7. Awarding Transcend ongoing post-trial royalties; and
8. Granting Transcend such further relief as the Court finds appropriate.

JURY DEMAND

Transcend demands trial by jury, under Fed. R. Civ. P. 38.

Dated: February 16, 2022

Respectfully Submitted

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